

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------------|------------------|---------|------------------|
| L1 | 5 | ((recover\$4 near4 (symbol near2 timing)) same sampl\$4) same ((sampl\$4 with (peak or amplitude or magnitude)) same compar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:26 |
| L2 | 40 | ((recover\$4 near4 (symbol near2 timing)) same sampl\$4) same (sampl\$4 with (peak or amplitude or magnitude)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:34 |
| L3 | 7 | ((recover\$4 near4 (symbol near2 timing)) same sampl\$4) and (sampl\$4 with peak with compar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:35 |
| L4 | 12 | ((recover\$4 near4 (symbol near2 timing)) same sampl\$4) and ((sampl\$4 with peak) same compar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:37 |
| L5 | 5 | L4 not L3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:36 |
| L6 | 37 | ((recover\$4 near4 timing) same sampl\$4) same ((sampl\$4 with peak) same compar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:44 |
| L7 | 12 | (sampl\$4 with ((highest or greatest) adj2 (magnitude or amplitude or value))) same ((recover\$4 or sampl\$4) near2 timing) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:46 |
| L8 | 28 | (sampl\$4 with ((highest or greatest or largest) adj2 (magnitude or amplitude or value))) same ((recover\$4 or sampl\$4) near2 timing) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:46 |
| S1 | 2 | Cheng.in. and (optimal adj1 sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/19 15:56 |
| S2 | 370 | 375/354-355.ccls. and (compar\$4 near4 (sampl\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:13 |
| S3 | 142 | S2 and (error near4 sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 15:57 |

EAST Search History

| | | | | | | |
|-----|------|---|------------------------------------|----|----|------------------|
| S4 | 32 | 375/354-355.ccls. and (compar\$4 near4 (sampl\$4 adj3 points)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:01 |
| S5 | 62 | 375/354-355.ccls. and (compar\$4 with (sampl\$4 adj3 points)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:05 |
| S6 | 10 | S5 not S2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:02 |
| S7 | 30 | S5 not S4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:02 |
| S8 | 53 | 375/371-376.ccls. and (compar\$4 with (sampl\$4 adj3 points)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:09 |
| S9 | 14 | (compar\$4 with (sampl\$4) with (desired or optimal)) and (error same sampl\$4) and (filter\$4 same averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:11 |
| S10 | 3305 | (compar\$4 with (sampl\$4)) and (error same sampl\$4) and (filter\$4 same averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:11 |
| S11 | 337 | (compar\$4 with (sampl\$4)) and (error same sampl\$4) and (averag\$4 with error) and (integrat\$4 with averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:13 |
| S12 | 36 | S11 and (symbol near2 tim\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 16:12 |
| S13 | 8 | 375/354-355.ccls. and (compar\$4 with (sampl\$4)) and (error same sampl\$4) and (averag\$4 with error) and (integrat\$4 with averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:23 |
| S14 | 18 | 375/371-376.ccls. and (compar\$4 with (sampl\$4)) and (error same sampl\$4) and (averag\$4 with error) and (integrat\$4 with averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:25 |
| S15 | 61 | (sampl\$4 same (detect\$ near4 peak)) same (compar\$4 near4 sampl\$4) same (error) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:38 |

EAST Search History

| | | | | | | |
|-----|------|--|------------------------------------|----|----|------------------|
| S16 | 590 | ((compar\$4 near5 sampl\$4) same (error with sampl\$4)) and (adjust\$4 near4 sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:53 |
| S17 | 441 | S16 and filter\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:39 |
| S18 | 122 | S16 and (filter\$4 same integrat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:46 |
| S19 | 371 | (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:47 |
| S20 | 18 | 375/354-355.ccls. and (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:49 |
| S21 | 19 | 375/371-376.ccls. and (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:52 |
| S22 | 13 | 375/371-376.ccls. and (compar\$4 with (sampl\$4 adj1 (points or instances))) same ((error or difference) with sampl\$4) and integrat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:53 |
| S23 | 1855 | ((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 17:54 |
| S24 | 187 | ((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4) and (averag\$4 with integrat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 18:11 |
| S25 | 7 | 375/354-377.ccls. and ((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4) and (averag\$4 with integrat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 18:11 |
| S26 | 112 | 375/354-377.ccls. and ((compar\$4 with sampl\$4) same ((error or difference) with sampl\$4)) and ((error or difference) same averag\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 18:59 |

EAST Search History

| | | | | | | |
|-----|------|---|------------------------------------|----|----|------------------|
| S27 | 6 | 375/354-355.ccls. and ((averag\$4 near4 error) same (integrat\$4 near4 averag\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 19:02 |
| S28 | 17 | 375/356-377.ccls. and ((averag\$4 near4 error) same (integrat\$4 near4 averag\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 19:07 |
| S29 | 50 | (sampl\$4 with error) same ((averag\$4 near4 error) same (integrat\$4 near4 averag\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 19:08 |
| S30 | 2 | 375/354-355.ccls. and ((error near5 (averag\$4 or integrat\$4)) same (convolv\$4 or convolution)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:32 |
| S31 | 0 | 375/371-376.ccls. and ((error near5 (averag\$4 or integrat\$4)) same (convolv\$4 or convolution)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:12 |
| S32 | 72 | ((error near5 (averag\$4 or integrat\$4)) same (convolv\$4 or convolution)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:12 |
| S33 | 21 | 375/354-355.ccls. and ((averag\$4 or integrat\$4) same (convolution or convolv\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:18 |
| S34 | 577 | (filter\$4 with (convolv\$4 or convolution)) with (averag\$4 or integrat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 11:55 |
| S35 | 121 | S34 and (error with (phase or sampl\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:25 |
| S36 | 14 | (loop adj1 filter\$4) with (convolv\$4 or convolution) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:32 |
| S37 | 9732 | filter\$4 with (convolv\$4 or convolution) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:32 |
| S38 | 34 | 375/354-355.ccls. and (filter\$4 near4 (convolv\$4 or convolution)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:37 |

EAST Search History

| | | | | | | |
|-----|------|--|------------------------------------|----|-----|------------------|
| S39 | 2023 | (sampl\$4 near2 (points or instances)) with maximum | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:38 |
| S40 | 53 | 375/354-355.ccls. and (sampl\$4 near2 (points or instances)) with maximum | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:59 |
| S41 | 2 | 375/371-376.ccls. and (sampl\$4 near2 (points or instances)) with maximum with symbol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 15:50 |
| S42 | 0 | 375/354-376.ccls. and (averag\$4 near3 input\$4) adj4 ("to" adj2 ((phase or timing) adj3 detector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:00 |
| S43 | 0 | 375/354-376.ccls. and (averag\$4 near3 input\$4) near3 ("to" adj2 ((phase or timing) adj3 detector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:01 |
| S44 | 0 | (averag\$4 near3 input\$4) near3 ("to" adj2 ((phase or timing) adj3 detector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:01 |
| S45 | 18 | (averag\$4 near3 input\$4) near3 ((phase or timing) adj3 detector) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:04 |
| S46 | 57 | (averag\$4 near3 input\$4) with ((phase or timing) adj3 detector) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:09 |
| S47 | 39 | S46 not S45 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:05 |
| S48 | 322 | (integrat\$4 near3 input\$4) with ((phase or timing) adj3 detector) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/20 16:09 |
| S49 | 2 | ("5426671").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/21 11:54 |
| S50 | 2 | ("6424687").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/21 11:54 |

EAST Search History

| | | | | | | |
|-----|---------|--|---|----|-----|------------------|
| S51 | 1731217 | S50 and averag\$4 or integrat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/21 11:54 |
| S52 | 1 | S50 and (averag\$4 or integrat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/21 11:54 |
| S53 | 147 | (filter\$4 with (convolv\$4 or convolution)) with (accumulat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 11:55 |
| S54 | 3 | ((low adj2 filter\$4) with (convolv\$4 or convolution)) with (accumulat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 11:56 |
| S55 | 4 | ((low adj3 filter\$4) with (convolv\$4 or convolution)) with (accumulat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:21 |
| S56 | 2 | ("5426671").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/21 13:21 |
| S57 | 0 | S56 and filter\$W4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:21 |
| S58 | 2 | S56 and filter\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:51 |
| S59 | 437 | 375/375.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:52 |
| S60 | 44 | S59 and (averag\$4 with (phase near3 (detect\$4 or compar\$4))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:55 |
| S61 | 4 | S59 and ((averag\$4 near3 input\$4) with (phase near3 (detect\$4 or compar\$4))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:56 |
| S62 | 144 | \((averag\$4 near3 input\$4) with (phase near3 (detect\$4 or compar\$4))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 13:56 |

EAST Search History

| | | | | | | |
|-----|-----|--|------------------------------------|----|-----|------------------|
| S63 | 144 | ((averag\$4 near3 input\$4) with (phase near3 (detect\$4 or compar\$4))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 15:25 |
| S64 | 110 | averag\$4 adj2 phase adj2 detector | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 15:25 |
| S65 | 50 | averag\$4 adj1 phase adj2 detector | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 15:38 |
| S66 | 18 | (averag\$4 near3 samples) with (phase adj2 detector) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 15:38 |
| S67 | 7 | (averag\$4 near3 symbols) with (phase adj2 detector) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 15:38 |
| S68 | 25 | S67 or S66 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/21 15:39 |
| S69 | 2 | ("5426671").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/26 18:18 |
| S70 | 2 | ("6182103").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/26 18:52 |
| S71 | 4 | (("5572558") or ("6628735")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/04/26 18:52 |
| S72 | 135 | ((recover\$4 near4 (symbol or timing)) same sampl\$4) and ((sampl\$4 with peak) same compar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/26 19:12 |
| S73 | 43 | ((recover\$4 near4 (symbol or timing)) same sampl\$4) same ((sampl\$4 with peak) same compar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 07:24 |